

10/580204

IA20 Rec'd PCT/PTO 23 MAY 2006

Docket No.: 40616-231172  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Chihiro KAWAI

International Application No.:  
PCT/JP2004/017677

Confirmation No.: Not Yet Assigned

International Filing Date:  
November 22, 2004

Application No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Concurrently Herewith

Examiner: Not Yet Assigned  
Customer No:

For: EL FIBER AND PHOTOCATALYST  
REACTION VESSEL

**26694**

PATENT TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

References AA to AE and BA to BL are cited in the attached International Search Report from the corresponding PCT application. A concise explanation of relevance of the items listed on

form PTO/SB/08 is in the form of an English language copy of the International Search Report, which refers to the relevant portions of the references.

Copies of references AA to AE and BA to BL are not being provided since copies are furnished directly by WIPO under an exchange program between the PTO, the EPO and the JPO.

English-language abstracts are provided for references BA to BF, BH, and BI.

Reference BJ is an international application publication with an English-language abstract which corresponds to reference BG.

References CA and CB are cited in the specification of this application. A full translation of the non-English language reference CA is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

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147207006-004710 23 MAY 2006

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261, under Order No. 40616-231172. A Fee transmittal is enclosed.

Dated: May 23, 2006

Respectfully submitted,

By 

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449A/B/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Chihiro Kawai
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	40616-231172

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-5,670,839 A	09-23-1997	Noma et al.	
	AB*	US-2002/0006865-A1	01-17-2002	Morikawa et al.	
	AC*	US-2003/0057399 A1	03-27-2003	Gingerich et al.	
	AD*	US-2003/0164670 A1	09-04-2003	Komatsu et al.	
	AE*	US 6,468,428 B1	10-22-2002	NISHII et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number-Kind Code <sup>5</sup> (if known)				
	BA	JP-07-235376 A	09-05-1995	YAZAKI CORP		✓
	BB	JP-10-262789 A	10-06-1998	TOTO LTD		✓
	BC	JP-2001-259434 A	09-25-2001	KONICA CORP		✓
	BD	JP-2002-085533 A	03-26-2002	MITSUBISHI PAPER MILLS LTD		✓
	BE	JP-2002-265937 A	09-18-2002	OSRAM SYLVANIA INC		✓
	BF	JP-2002-231151 A	08-16-2002	HITACHI LTD		✓
	BG	JP-2002-542373 A	12-10-2002	HONEYWELL SPECIALTY CHEMICALS SEELZE GMBH		
	BH	JP-2003-249373 A	09-05-2003	FUJI PHOTO FILM CO LTD		✓
	BI	JP-10-141044 A	05-26-1998	HOYA CORP		✓
	BJ	WO 00/63317 A2	10-26-2000	HONEYWELL SPECIALTY CHEMICALS SEELZE GMBH		✓
	BK	JP-7-335382 A	12-22-1995			
	BL	JP-2002-095976 A	04-02-2002			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	OHNO et al., "Visible light active metal oxide photocatalysts and their photocatalytic activities," Chem. Lett., 32:364 (2003).	✓
	CB	BAUMBRG et al., "Development of electroluminescent fibres for outdoor application," Plastics, Rubber and Composites Progressing and Applications, 1998, Vol. 27, No. 3, pages 160-165.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Examiner Signature		Date Considered	
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